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<p style="text-align: center;">Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small></p> <p style="text-align: right;">Sheet 1 of 3</p>	<i>Complete if Known</i>	
	Application Number	10/578,822
	Filing Date	May 9, 2006
	First Named Inventor	Euan Christopher Smith
	Group Art Unit	2629
	Examiner Name	Pakee Fang
Attorney Docket No: 1365.106US1		

FOREIGN PATENT DOCUMENTS				
Examiner Initial *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T 1
	EP-1457958A2	9/15/2004	Ando, M.	
	GB-2388236	11/5/2003	Smith, E. C., et al.	
	GB-2389951A	12/24/2003	Routley, P. R., et al.	
	JP-10-260659A (w/ English Abstract)	9/29/1998	Nagai, M., et al.	
	JP-2002-055654A (w/ English Abstract)	2/20/2002	Kawashima, S.	
	JP-2002-072947A (w/ English Abstract)	3/12/2002	Oda, A., et al.	
	JP-2002-258805A (w/ English Abstract)	9/11/2002	Takahara, H., et al.	
	JP-2002-341842A (w/ English Abstract)	11/29/2002	Takahara, H., et al.	
	JP-2003-084732A (w/ English Abstract)	3/19/2003	Tsuge, H., et al.	
	JP-2003-108082A (w/ English Abstract)	4/11/2003	Kawaguchi, K.	
	JP-2003-186270A (w/ English Abstract)	7/3/2003	Tanaka, H., et al.	
	JP-2003-323145A (w/ English Abstract)	11/14/2003	Tsuge, H.	
	JP-2004-054234A (w/ English Abstract)	2/19/2004	Abe, S.	
	JP-2004-133138A (w/ English Abstract)	4/30/2004	Yamazaki, T., et al.	
	WO-94/27276A1	11/24/1994	Orlen, N. P.	
	WO-95/04986A1	2/16/1995	Saidi, A.	
	WO-03/094140	11/13/2003	Smith	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS		
Examiner Initial *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 1
	"Application Serial No. 10/578,659 , Non-Final Office Action mailed 11-12-09", 37 pgs.	
	"Application Serial No. 10/578,659, Notice of Allowance mailed 06-24-10", 9 pgs.	

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	"Application Serial No. 10/578,659, Response filed 3-12-10 to Non Final Office Action mailed 11-12-09", 18 pgs.	
	"Application Serial No. 10/578,659, Response filed 3-31-09 to Restriction Requirement mailed 2-3-09", 15 pgs.	
	"Application Serial No. 10/578,659, Response filed 9-16-09 to Restriction Requirement mailed 7-17-09", 14 pgs.	
	"Application Serial No. 10/578,659, Restriction Requirement mailed 2-3-09", 7 pgs.	
	"Application Serial No. 10/578,659, Restriction Requirement mailed 7-17-09", 6 pgs.	
	"Application Serial No. 10/578,786, Final Office Action mailed 10-07-09", 29 pgs.	
	"Application Serial No. 10/578,786, Non-Final Office Action mailed on 12-08-08", 58 pgs.	
	"Application Serial No. 10/578,786, Preliminary Amendment filed 05-09-06", 11 pgs	
	"Application Serial No. 10/578,786, Response filed 02-05-10 to Final Office Action mailed 10-07-09", 18 pgs	
	"Application Serial No. 10/578,786, Response filed 04-07-09 to Non-Final Office Action mailed 12-08-08", 27 pgs	
	"Application Serial No. 10/578,941, Final Office Action mailed 07-12-10", 19 pgs	
	"Application Serial No. 10/578,941, Final Office Action mailed 08-05-09", 18 pgs	
	"Application Serial No. 10/578,941, Non-Final Office Action mailed 01-21-10", 20 pgs.	
	"Application Serial No. 10/578,941, Non-Final Office Action mailed 12-23-08", 36 pgs.	
	"Application Serial No. 10/578,941, Preliminary Amendment filed 05-09-06", 9 pgs.	
	"Application Serial No. 10/578,941, Preliminary Amendment filed 03-23-07", 3 pgs.	
	"Application Serial No. 10/578,941, Response filed 04-21-09 to Non-Final Office Action mailed 12-23-08", 18 pgs	
	"Application Serial No. 10/578,941, Response filed 10-12-10 to Final Office Action mailed 07-12-10", 15 pgs.	
	"Application Serial No. 10/578,941, Response filed 10-27-09 to Final Office Action mailed 08-05-09", 11 pgs	
	"Application Serial No. 10/578,941, Response filed 4-22-10 to Non-Final Office Action mailed 1-21-10", 11 pgs.	
	"Application Serial No. 10/578,659, Notice of Allowance mailed 06-24-10", 10 pgs	
	"Great Britain Application Serial No. GB0421712.1, Search Report dated 12-31-04", 1 pg.	
	"International Application Serial No PCT/GB2005/050169, International Search Report and Written Opinion mailed 02-07-06", 6 pgs.	
	"International Application Serial No. PCT/GB2005/050167, International Search Report mailed 01-31-06", 2 pgs.	
	"International Application Serial No. PCT/GB2005/050167, Written Opinion mailed 01-31-06", 7 pgs.	

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	"International Application Serial No. PCT/GB2005/050219, International Search Report mailed 2-20-2008", 3 pgs.	
	"International Application Serial No. PCT/GB2005/050219, Written Opinion 2-20-2008", 17 pgs.	
	BERRY, M. W., et al., "Algorithms and Applications for Approximate Nonnegative Matrix Factorization", Computational Statistics & Data Analysis, 52, (2007), 155-173	
	CHU, M., et al., "Optimality, Computation, and Interpretation of Nonnegative Matrix Factorizations", [online]. VERSION: October 18, 2004. [retrieved 2008-02-06]. Retrieved from the Internet: <URL: http://www.wfu.edu/~plemmons/papers/chu_ple.pdf >, 18 pgs.	
	EISENBRAND, F., et al., "Algorithms for Longer OLED Lifetime", Proceedings, 6th Workshop on Experimental Algorithms (WEA 2007), <u>Lecture Notes in Computer Science</u> , Vol. 4525, (2007), 338-351	
	GUILLAMET, D., et al., "Non-negative Matrix Factorization for Face Recognition", Lecture Notes in Computer Science, Vol. 2504/2002 - Topics in Artificial Intelligence: 5th Catalonian Conference on AI (CCIA 2002), (2002), 336-344	
	ROUTLEY, P. R., et al., "DISPLAY DRIVER CIRCUITS", <u>Great Britain Application Serial No. GB20020013989.7</u> , filed June 18, 2002, 56 pgs.	
	SMITH, E. C., "8.3: Total Matrix Addressing (TMA™)", <u>International Symposium Digest of Technical Papers (SID 2007)</u> , (2007), 93-96	
	TROPP, J. A., "Literature Survey: Non-Negative Matrix Factorization", [online]. Preprint, University of Texas at Austin. [retrieved 2008-02-07]. Retrieved from the Internet: <URL: http://www.acm.caltech.edu/~jtropp/notes/Tro03-Literature-Survey.pdf >, (2003), 10 pgs.	

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